

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

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|---|--|--|
| Applicant's or agent's file reference 002298PC | FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, Item 5 below. | |
| International application No. PCT/IL2004/000918 | International filing date (day/month/year) 05/10/2004 | (Earliest) Priority Date (day/month/year) 09/10/2003 |
| Applicant ELBIT SYSTEMS LTD. | | |

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☒ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 3

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

Best Available Copy

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

Land vehicle weapon system (100) including a base mount (128) coupled with a land vehicle (102), a weapon mount (130), a plurality of weapons (104,106,108,110,112) coupled with the weapon mount (130), a weapon moving mechanism (132) coupled between the base mount (128) and the weapon mount (130), a plurality of moving elements coupled with at least one of the base mount (128), the weapon mount (130), the weapons (104,106,108,110,112), and with the weapon moving mechanism, a sensing mechanism (114,116) coupled with at least one of the weapon mount (130), the weapons (104,106,108,110,112) and the base mount (128), and at least one user interface (126) coupled with the weapons (104,106,108,110,112), the weapon moving mechanism (132), the moving elements, and with the sensing mechanism (114,116), the user interface (126) enabling a user to remotely operate the weapons (104,106,108,110,112), the weapon moving mechanism being operable to move the weapons (104,106,108,110,112) between a plurality of configurations.

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F41A23/20 F41A23/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F41A F41H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|--|
| X | EP 1 191 303 A (KRAUSS-MAFFEI WEGMANN GMBH & CO. KG) 27 March 2002 (2002-03-27) | 1-3, 6-9, 13, 14, 17-19, 21, 24, 26 |
| Y | abstract paragraphs '0002!, '0003!, '0007!, '0008!, '0012!, '0014! - '0016!, '0018!, '0020!, '0021! figures 1-9 ----- -/-- | 10-12, 15, 16 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

4 February 2005

Date of mailing of the international search report

14/02/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|--|
| X | DE 35 18 551 A1 (FUEREDER, GEORG; FUEREDER, GEORG, 6200 WIESBADEN, DE) 27 November 1986 (1986-11-27) | 1-3, 6-14, 16-19, 22-25, 27, 28 10-12, 16 |
| Y | abstract page 4, line 41 - page 7, line 133 figures 1-5 ----- | |
| Y | WO 01/88564 A (DIEHL MUNITIONSSYSTEME GMBH & CO. KG; PAPPERT; SCHLUETER) 22 November 2001 (2001-11-22) abstract page 2, line 23 - page 4, line 24 figure 1 ----- | 15 |
| X | EP 1 128 152 A (KRAUSS-MAFFEI WEGMANN GMBH & CO. KG) 29 August 2001 (2001-08-29) abstract paragraphs '0001!, '0007! - '0009!, '0106!, '0015!, '0017!, '0018! ----- | 1, 3-10, 14, 17, 18, 20, 24, 27, 28 |
| X | DE 22 05 826 A1 (GEISS, WALTER, 8031 EICHENAU) 16 August 1973 (1973-08-16) pages 1, 2 page 3, lines 1-4 figures 1-3 ----- | 1-3, 6-14, 17-19, 22-24, 26 |
| A | US 4 326 446 A (MAGNUSON ET AL) 27 April 1982 (1982-04-27) cited in the application ----- | |

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 29,30

Rule 6.2(a) PCT

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL2004/000918

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 29, 30
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|----------------------------|---------------------|
| EP 1191303 | A | 27-03-2002 | DE 10046480 A1 | 28-03-2002 |
| | | | EP 1191303 A2 | 27-03-2002 |
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| DE 3518551 | A1 | 27-11-1986 | NONE | |
| WO 0188564 | A | 22-11-2001 | DE 10024320 A1 | 29-11-2001 |
| | | | AU 7748901 A | 26-11-2001 |
| | | | CA 2407821 A1 | 29-10-2002 |
| | | | WO 0188564 A1 | 22-11-2001 |
| | | | EP 1282832 A1 | 12-02-2003 |
| | | | JP 2003533705 T | 11-11-2003 |
| | | | NO 20025464 A | 10-01-2003 |
| | | | US 2003117309 A1 | 26-06-2003 |
| EP 1128152 | A | 29-08-2001 | DE 10008198 A1 | 30-08-2001 |
| | | | AU 1642301 A | 30-08-2001 |
| | | | CA 2333838 A1 | 23-08-2001 |
| | | | EP 1128152 A2 | 29-08-2001 |
| | | | US 2001015126 A1 | 23-08-2001 |
| DE 2205826 | A1 | 16-08-1973 | NONE | |
| US 4326446 | A | 27-04-1982 | NONE | |

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